

4-33629 (5038-W001).ST25.txt
SEQUENCE LISTING

<110> Genova Ltd.
Bougueleret, Lydie

<120> SECRETED POLYPEPTIDE SPECIES ASSOCIATED WITH CARDIOVASCULAR DISORDERS

<130> 4-33629A/GLT (5038-W001)

<150> US 60/475,121
<151> 2003-05-30

<150> US 60/475,082
<151> 2003-05-30

<150> US 60/475,083
<151> 2003-05-30

<150> US 60/484,102
<151> 2003-06-30

<160> 141

<170> PatentIn version 3.1

<210> 1
<211> 94
<212> PRT
<213> Homo sapiens

<400> 1

Met Arg Thr Ile Ala Ile Leu Ala Ala Ile Leu Leu Val Ala Leu Gln
1 5 10 15

Ala Gln Ala Glu Ser Leu Gln Glu Arg Ala Asp Glu Ala Thr Thr Gln
20 25 30

Lys Gln Ser Gly Glu Asp Asn Gln Asp Leu Ala Ile Ser Phe Ala Gly
35 40 45

Asn Gly Leu Ser Ala Leu Arg Thr Ser Gly Ser Gln Ala Arg Ala Thr
50 55 60

Cys Tyr Cys Arg Thr Gly Arg Cys Ala Thr Arg Glu Ser Leu Ser Gly
65 70 75 80

Val Cys Glu Ile Ser Gly Arg Leu Tyr Arg Leu Cys Cys Arg
85 90

<210> 2
<211> 75
<212> PRT
<213> Homo sapiens

<400> 2

Glu Ser Leu Gln Glu Arg Ala Asp Glu Ala Thr Thr Gln Lys Gln Ser
1 5 10 15

Gly Glu Asp Asn Gln Asp Leu Ala Ile Ser Phe Ala Gly Asn Gly Leu

20 4-33629 (5038-W001).ST25.txt
25 30

Ser Ala Leu Arg Thr Ser Gly Ser Gln Ala Arg Ala Thr Cys Tyr Cys
35 40 45

Arg Thr Gly Arg Cys Ala Thr Arg Glu Ser Leu Ser Gly Val Cys Glu
50 55 60

Ile Ser Gly Arg Leu Tyr Arg Leu Cys Cys Arg
65 70 75

<210> 3
<211> 22
<212> PRT
<213> Homo sapiens

<400> 3

Gln Ser Gly Glu Asp Asn Gln Asp Leu Ala Ile Ser Phe Ala Gly Asn
1 5 10 15

Gly Leu Ser Ala Leu Arg
20

<210> 4
<211> 12
<212> PRT
<213> Homo sapiens

<400> 4

Glu Ser Leu Ser Gly Val Cys Glu Ile Ser Gly Arg
1 5 10

<210> 5
<211> 128
<212> PRT
<213> Homo sapiens

<400> 5

Met Gly Ile Gln Gly Gly Ser Val Leu Phe Gly Leu Leu Leu Val Leu
1 5 10 15

Ala Val Phe Cys His Ser Gly His Ser Leu Gln Cys Tyr Asn Cys Pro
20 25 30

Asn Pro Thr Ala Asp Cys Lys Thr Ala Val Asn Cys Ser Ser Asp Phe
35 40 45

Asp Ala Cys Leu Ile Thr Lys Ala Gly Leu Gln Val Tyr Asn Lys Cys
50 55 60

Trp Lys Phe Glu His Cys Asn Phe Asn Asp Val Thr Thr Arg Leu Arg
65 70 75 80

4-33629 (5038-w001).ST25.txt

Glu Asn Glu Leu Thr Tyr Tyr Cys Cys Lys Lys Asp Leu Cys Asn Phe
 85 90 95

Asn Glu Gln Leu Glu Asn Gly Gly Thr Ser Leu Ser Glu Lys Thr Val
 100 105 110

Leu Leu Leu Val Thr Pro Phe Leu Ala Ala Ala Trp Ser Leu His Pro
 115 120 125

<210> 6
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 6

Leu Gln Cys Tyr Asn Cys Pro Asn Pro Thr Ala Asp Cys Lys Thr Ala
 1 5 10 15

Val Asn Cys Ser Ser Asp Phe Asp Ala Cys Leu Ile Thr Lys Ala Gly
 20 25 30

Leu Gln Val Tyr Asn Lys Cys Trp Lys Phe Glu His Cys Asn Phe Asn
 35 40 45

Asp Val Thr Thr Arg Leu Arg Glu Asn Glu Leu Thr Tyr Tyr Cys Cys
 50 55 60

Lys Lys Asp Leu Cys Asn Phe Asn Glu Gln Leu Glu Asn
 65 70 75

<210> 7
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 7

Leu Gln Cys Tyr Asn Cys Pro Asn Pro Thr Ala Asp Cys Lys
 1 5 10

<210> 8
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 8

Thr Ala Val Asn Cys Ser Ser Asp Phe Asp Ala Cys Leu Ile Thr Lys
 1 5 10 15

<210> 9
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 9

4-33629 (5038-W001).ST25.txt

Ala Gly Leu Gln Val Tyr Asn Lys
1 5

<210> 10
<211> 12
<212> PRT
<213> Homo sapiens

<400> 10

Phe Glu His Cys Asn Phe Asn Asp Val Thr Thr Arg
1 5 10

<210> 11
<211> 12
<212> PRT
<213> Homo sapiens

<400> 11

Leu Arg Glu Asn Glu Leu Thr Tyr Tyr Cys Cys Lys
1 5 10

<210> 12
<211> 10
<212> PRT
<213> Homo sapiens

<400> 12

Glu Asn Glu Leu Thr Tyr Tyr Cys Cys Lys
1 5 10

<210> 13
<211> 206
<212> PRT
<213> Homo sapiens

<400> 13

Met Ala Val Lys Lys Ile Ala Ile Phe Gly Ala Thr Gly Gln Thr Gly
1 5 10 15

Leu Thr Thr Leu Ala Gln Ala Val Gln Ala Gly Tyr Glu Val Thr Val
20 25 30

Leu Val Arg Asp Ser Ser Arg Leu Pro Ser Glu Gly Pro Arg Pro Ala
35 40 45

His Val Val Val Gly Asp Val Leu Gln Ala Ala Asp Val Asp Lys Thr
50 55 60

Val Ala Gly Gln Asp Ala Val Ile Val Leu Leu Gly Thr Arg Asn Asp
65 70 75 80

Leu Ser Pro Thr Thr Val Met Ser Glu Gly Ala Arg Asn Ile Val Ala
85 90 95

4-33629 (5038-W001).ST25.txt

Ala Met Lys Ala His Gly Val Asp Lys Val Val Ala Cys Thr Ser Ala
 100 105 110

Phe Leu Leu Trp Asp Pro Thr Lys Val Pro Pro Arg Leu Gln Ala Val
 115 120 125

Thr Asp Asp His Ile Arg Met His Lys Val Leu Arg Glu Ser Gly Leu
 130 135 140

Lys Tyr Val Ala Val Met Pro Pro His Ile Gly Asp Gln Pro Leu Thr
 145 150 155 160

Gly Ala Tyr Thr Val Thr Leu Asp Gly Arg Gly Pro Ser Arg Val Ile
 165 170 175

Ser Lys His Asp Leu Gly His Phe Met Leu Arg Cys Leu Thr Thr Asp
 180 185 190

Glu Tyr Asp Gly His Ser Thr Tyr Pro Ser His Gln Tyr Gln
 195 200 205

<210> 14
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 14

Thr Val Ala Gly Gln Asp Ala Val Ile Val Leu Leu Gly Thr Arg
 1 5 10 15

<210> 15
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 15

Asn Asp Leu Ser Pro Thr Thr Val Met Ser Glu Gly Ala Arg
 1 5 10

<210> 16
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 16

Leu Gln Ala Val Thr Asp Asp His Ile Arg
 1 5 10

<210> 17
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 17

4-33629 (5038-W001).ST25.txt

Tyr Val Ala Val Met Pro Pro His Ile Gly Asp Gln Pro Leu Thr Gly
 1 5 10 15

Ala Tyr Thr Val Thr Leu Asp Gly Arg
 20 25

<210> 18
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 18

His Asp Leu Gly His Phe Met Leu Arg
 1 5

<210> 19
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 19

Cys Leu Thr Thr Asp Glu Tyr Asp Gly His Ser Thr Tyr Pro Ser His
 1 5 10 15

Gln Tyr Gln

<210> 20
 <211> 173
 <212> PRT
 <213> Homo sapiens

<400> 20

Met Ser Leu Leu Gly Pro Lys Val Leu Leu Phe Leu Ala Ala Phe Ile
 1 5 10 15

Ile Thr Ser Asp Trp Ile Pro Leu Gly Val Asn Ser Gln Arg Gly Asp
 20 25 30

Asp Val Thr Gln Ala Thr Pro Glu Thr Phe Thr Glu Asp Pro Asn Leu
 35 40 45

Val Asn Asp Pro Ala Thr Asp Glu Thr Val Leu Ala Val Leu Ala Asp
 50 55 60

Ile Ala Pro Ser Thr Asp Asp Leu Ala Ser Leu Ser Glu Lys Asn Thr
 65 70 75 80

Thr Ala Glu Cys Trp Asp Glu Lys Phe Thr Cys Thr Arg Leu Tyr Ser
 85 90 95

Val His Arg Pro Val Lys Gln Cys Ile His Gln Leu Cys Phe Thr Ser
 100 105 110

4-33629 (5038-W001).ST25.txt

Leu Arg Arg Met Tyr Ile Val Asn Lys Glu Ile Cys Ser Arg Leu Val
 115 120 125

Cys Lys Glu His Glu Ala Met Lys Asp Glu Leu Cys Arg Gln Met Ala
 130 135 140

Gly Leu Pro Pro Arg Arg Leu Arg Arg Ser Asn Tyr Phe Arg Leu Pro
 145 150 155 160

Pro Cys Glu Asn Val Asp Leu Gln Arg Pro Asn Gly Leu
 165 170

<210> 21
 <211> 152
 <212> PRT
 <213> Homo sapiens

<400> 21

Ile Pro Leu Gly Val Asn Ser Gln Arg Gly Asp Asp Val Thr Gln Ala
 1 5 10 15

Thr Pro Glu Thr Phe Thr Glu Asp Pro Asn Leu Val Asn Asp Pro Ala
 20 25 30

Thr Asp Glu Thr Val Leu Ala Val Leu Ala Asp Ile Ala Pro Ser Thr
 35 40 45

Asp Asp Leu Ala Ser Leu Ser Glu Lys Asn Thr Thr Ala Glu Cys Trp
 50 55 60

Asp Glu Lys Phe Thr Cys Thr Arg Leu Tyr Ser Val His Arg Pro Val
 65 70 75 80

Lys Gln Cys Ile His Gln Leu Cys Phe Thr Ser Leu Arg Arg Met Tyr
 85 90 95

Ile Val Asn Lys Glu Ile Cys Ser Arg Leu Val Cys Lys Glu His Glu
 100 105 110

Ala Met Lys Asp Glu Leu Cys Arg Gln Met Ala Gly Leu Pro Pro Arg
 115 120 125

Arg Leu Arg Arg Ser Asn Tyr Phe Arg Leu Pro Pro Cys Glu Asn Val
 130 135 140

Asp Leu Gln Arg Pro Asn Gly Leu
 145 150

<210> 22
 <211> 9
 <212> PRT
 <213> Homo sapiens

4-33629 (5038-W001).ST25.txt

<400> 22

Leu Tyr Ser Val His Arg Pro Val Lys
1 5

<210> 23

<211> 12

<212> PRT

<213> Homo sapiens

<400> 23

Gln Cys Ile His Gln Leu Cys Phe Thr Ser Leu Arg
1 5 10

<210> 24

<211> 20

<212> PRT

<213> Homo sapiens

<400> 24

Ser Asn Tyr Phe Arg Leu Pro Pro Cys Glu Asn Val Asp Leu Gln Arg
1 5 10 15Pro Asn Gly Leu
20

<210> 25

<211> 15

<212> PRT

<213> Homo sapiens

<400> 25

Leu Pro Pro Cys Glu Asn Val Asp Leu Gln Arg Pro Asn Gly Leu
1 5 10 15

<210> 26

<211> 14

<212> PRT

<213> Homo sapiens

<400> 26

Cys Thr Ser Met Ala Ser Glu Asn Ser Glu Cys Ser Val Lys
1 5 10

<210> 27

<211> 14

<212> PRT

<213> Homo sapiens

<400> 27

Ser Asn Cys Cys Gln His Ser Ser Ala Leu Gly Leu Ala Arg
1 5 10

<210> 28

<211> 19

4-33629 (5038-W001).ST25.txt

<212> PRT
 <213> Homo sapiens

<400> 28

Thr Ile Val Gly Ser Ile Thr Asn Thr Asn Phe Gly Ile Cys His Asp
 1 5 10 15

Ala Gly Arg

<210> 29
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 29

Cys Leu Asp Pro Val Asp Thr Pro Asn Pro Thr Arg
 1 5 10

<210> 30
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 30

Tyr Lys Lys Pro Glu Cys Gln Ser Asp Trp Gln Cys Pro Gly Lys
 1 5 10 15

<210> 31
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 31

Asp Pro Pro Gln Tyr Pro Val Val Pro Val His Leu Asp Arg
 1 5 10

<210> 32
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 32

Arg Asp Pro Pro Gln Tyr Pro Val Val Pro Val His Leu Asp Arg
 1 5 10 15

<210> 33
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 33

Tyr Ala Gln Thr Pro Ala Asn Met Phe Tyr Ile Val Ala Cys Asp Asn
 1 5 10 15

4-33629 (5038-w001).ST25.txt

Arg

<210> ~ 34
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 34

Asp Ala Leu Ser Ala Ser Val Val Lys
 1 5

<210> 35
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 35

Asp Ser Gly Glu Asp Pro Ala Thr Cys Ala Phe Gln Arg
 1 5 10

<210> 36
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 36

Asp Tyr Tyr Val Ser Thr Ala Val Cys Arg
 1 5 10

<210> 37
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 37

Phe Pro Val Tyr Asp Tyr Asp Pro Ser Ser Leu Arg
 1 5 10

<210> 38
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 38

Val Asn Ser Gln Ser Leu Ser Pro Tyr Leu Phe Arg
 1 5 10

<210> 39
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 39

Val Ser Ala Gln Gln Val Gln Gly Val His Ala Arg
 1 5 10

4-33629 (5038-W001).ST25.txt

<210> 40
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 40

Gly Val Ser Leu Arg Pro Ile Gly Ala Ser Cys Arg
 1 5 10

<210> 41
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 41

Gly Val Ser Leu Arg Pro Ile Gly Ala Ser Cys Arg Asp Asp Ser Glu
 1 5 10 15

Cys Ile Thr Arg
 20

<210> 42
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 42

Ala Asp Glu Val Ala Ala Ala Pro Glu Gln Ile Ala Ala Asp Ile Pro
 1 5 10 15

Glu Val Val Val Ser Leu Ala Trp Asp Glu Ser Leu Ala Pro Lys
 20 25 30

<210> 43
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 43

Ile Pro Ala Cys Ile Ala Gly Glu Arg
 1 5

<210> 44
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 44

Ile Pro Ala Cys Ile Ala Gly Glu Arg Arg
 1 5 10

<210> 45
 <211> 6
 <212> PRT

4-33629 (5038-W001).ST25.txt

<213> Homo sapiens

<400> 45

Leu Trp Ala Phe Cys Cys
1 5

<210> 46

<211> 10

<212> PRT

<213> Homo sapiens

<400> 46

Arg Tyr Gly Thr Cys Ile Tyr Gln Gly Arg
1 5 10

<210> 47

<211> 9

<212> PRT

<213> Homo sapiens

<400> 47

Tyr Gly Thr Cys Ile Tyr Gln Gly Arg
1 5

<210> 48

<211> 15

<212> PRT

<213> Homo sapiens

<400> 48

Tyr Gly Thr Cys Ile Tyr Gln Gly Arg Leu Trp Ala Phe Cys Cys
1 5 10 15

<210> 49

<211> 14

<212> PRT

<213> Homo sapiens

<400> 49

Ala Gly Pro Ala Gln Thr Leu Ile Arg Pro Gln Asp Met Lys
1 5 10

<210> 50

<211> 13

<212> PRT

<213> Homo sapiens

<400> 50

Met Ser Ser Ser Tyr Pro Thr Gly Leu Ala Asp Val Lys
1 5 10

<210> 51

<211> 27

<212> PRT

<213> Homo sapiens

4-33629 (5038-W001).ST25.txt

<400> 51

Met Ser Ser Ser Tyr Pro Thr Gly Leu Ala Asp Val Lys Ala Gly Pro
 1 5 10 15

Ala Gln Thr Leu Ile Arg Pro Gln Asp Met Lys
 20 25

<210> 52

<211> 7

<212> PRT

<213> Homo sapiens

<400> 52

Ala Phe Gln Tyr His Ser Lys
 1 5

<210> 53

<211> 10

<212> PRT

<213> Homo sapiens

<400> 53

Cys Glu Glu Asp Lys Glu Phe Thr Cys Arg
 1 5 10

<210> 54

<211> 19

<212> PRT

<213> Homo sapiens

<400> 54

Glu Pro Leu Asp Asp Tyr Val Asn Thr Gln Gly Pro Ser Leu Phe Ser
 1 5 10 15

Val Thr Lys

<210> 55

<211> 13

<212> PRT

<213> Homo sapiens

<400> 55

Glu Asp Pro Thr Val Ser Ala Leu Leu Thr Ser Glu Lys
 1 5 10

<210> 56

<211> 10

<212> PRT

<213> Homo sapiens

<400> 56

Val Pro Ser Leu Val Gly Ser Phe Ile Arg
 1 5 10

4-33629 (5038-W001).ST25.txt

<210> 57
<211> 9
<212> PRT
<213> Homo sapiens

<400> 57

Cys Leu His Pro Cys Val Ile Ser Arg
1 5

<210> 58
<211> 9
<212> PRT
<213> Homo sapiens

<400> 58

Glu Ala Thr Phe Cys Asp Phe Pro Lys
1 5

<210> 59
<211> 11
<212> PRT
<213> Homo sapiens

<400> 59

Glu Ile Met Glu Asn Tyr Asn Ile Ala Leu Arg
1 5 10

<210> 60
<211> 7
<212> PRT
<213> Homo sapiens

<400> 60

Gly Trp Ser Thr Pro Pro Lys
1 5

<210> 61
<211> 11
<212> PRT
<213> Homo sapiens

<400> 61

Ile Asn His Gly Ile Leu Tyr Asp Glu Glu Lys
1 5 10

<210> 62
<211> 13
<212> PRT
<213> Homo sapiens

<400> 62

Ile Thr Cys Thr Glu Glu Gly Trp Ser Pro Thr Pro Lys
1 5 10

<210> 63

4-33629 (5038-W001).ST25.txt

<211> 8
 <212> PRT
 <213> Homo sapiens

<400> 63

Leu Glu Tyr Pro Thr Cys Ala Lys
 1 5

<210> 64
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 64

Leu Gln Asn Asn Glu Asn Asn Ile Ser Cys Val Glu Arg
 1 5 10

<210> 65
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 65

Asn Gly Gln Trp Ser Glu Pro Pro Lys
 1 5

<210> 66
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 66

Asn Gly Gln Trp Ser Glu Pro Pro Lys Cys Leu His Pro Cys Val Ile
 1 5 10 15

Ser Arg

<210> 67
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 67

Ser Phe Trp Thr Arg
 1 5

<210> 68
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 68

Ser Phe Trp Thr Arg Ile Thr Cys Thr Glu Glu Gly Trp Ser Pro Thr
 1 5 10 15

4-33629 (5038-W001).ST25.txt

Pro Lys

<210> 69
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 69

Ser Thr Asp Thr Ser Cys Val Asn Pro Pro Thr Val Gln Asn Ala His
 1 5 10 15

Ile Leu Ser Arg
 20

<210> 70
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 70

Thr Gly Glu Ser Ala Glu Phe Val Cys Lys
 1 5 10

<210> 71
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 71

Thr Gly Glu Ser Ala Glu Phe Val Cys Lys Arg
 1 5 10

<210> 72
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 72

Thr Thr Cys Trp Asp Gly Lys Leu Glu Tyr Pro Thr Cys Ala Lys
 1 5 10 15

<210> 73
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 73

Tyr Lys Pro Phe Ser Gln Val Pro Thr Gly Glu Val Phe Tyr Tyr Ser
 1 5 10 15

Cys Glu Tyr Asn Phe Val Ser Pro Ser Lys
 20 25

4-33629 (5038-W001).ST25.txt

<210> 74
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 74

Ala Phe Thr Glu Cys Cys Val Val Ala Ser Gln Leu Arg
 1 5 10

<210> 75
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 75

Cys Cys Tyr Asp Gly Ala Cys Val Asn Asn Asp Glu Thr Cys Glu Gln
 1 5 10 15

Arg

<210> 76
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 76

Asp Val Val Gln Ile Thr Cys Leu Asp Gly Phe Glu Val Val Glu Gly
 1 5 10 15

Arg

<210> 77
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 77

Glu Asp Thr Pro Asn Ser Val Trp Glu Pro Ala Lys
 1 5 10

<210> 78
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 78

Gly Asp Ser Gly Gly Ala Phe Ala Val Gln Asp Pro Asn Asp Lys
 1 5 10 15

<210> 79
 <211> 19
 <212> PRT
 <213> Homo sapiens

4-33629 (5038-W001).ST25.txt

<400> 79

Gln Phe Gly Pro Tyr Cys Gly His Gly Phe Pro Gly Pro Leu Asn Ile
1 5 10 15

Glu Thr Lys

<210> 80

<211> 16

<212> PRT

<213> Homo sapiens

<400> 80

Ser Asn Ala Leu Asp Ile Ile Phe Gln Thr Asp Leu Thr Gly Gln Lys
1 5 10 15

<210> 81

<211> 19

<212> PRT

<213> Homo sapiens

<400> 81

Ser Ser Asn Asn Pro His Ser Pro Ile Val Glu Glu Phe Gln Val Pro
1 5 10 15

Tyr Asn Lys

<210> 82

<211> 11

<212> PRT

<213> Homo sapiens

<400> 82

Thr Asn Phe Asp Asn Asp Ile Ala Leu Val Arg
1 5 10

<210> 83

<211> 14

<212> PRT

<213> Homo sapiens

<400> 83

Val Glu Asp Pro Glu Ser Thr Leu Phe Gly Ser Val Ile Arg
1 5 10

<210> 84

<211> 14

<212> PRT

<213> Homo sapiens

<400> 84

Leu Ala Glu Leu Pro Ala Asp Ala Leu Gly Pro Leu Gln Arg
1 5 10

4-33629 (5038-W001).ST25.txt

<210> 85
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 85

Leu Ala Tyr Leu Gln Pro Ala Leu Phe Ser Gly Leu Ala Glu Leu Arg
 1 5 10 15

<210> 86
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 86

Leu Glu Ala Leu Pro Asn Ser Leu Leu Ala Pro Leu Gly Arg
 1 5 10

<210> 87
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 87

Ser Phe Glu Gly Leu Gly Gln Leu Glu Val Leu Thr Leu Asp His Asn
 1 5 10 15

Gln Leu Gln Glu Val Lys
 20

<210> 88
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 88

Val Ala Gly Leu Leu Glu Asp Thr Phe Pro Gly Leu Leu Gly Leu Arg
 1 5 10 15

<210> 89
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 89

Cys Phe Leu Gly Cys Glu Leu Pro Pro Glu Gly Ser Arg
 1 5 10

<210> 90
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 90

Glu Phe Leu Glu Asp Thr Cys Val Gln Tyr Val Gln Lys

4-33629 (5038-W001).ST25.txt
10

1

5

<210> 91
<211> 17
<212> PRT
<213> Homo sapiens

<400> 91

Thr Gln Ser Gly Leu Gln Ser Tyr Leu Leu Gln Phe His Gly Leu Val
1 5 10 15

Arg

<210> 92
<211> 11
<212> PRT
<213> Homo sapiens

<400> 92

Ala Leu Asn Ser Ile Ile Asp Val Tyr His Lys
1 5 10

<210> 93
<211> 7
<212> PRT
<213> Homo sapiens

<400> 93

Gly Ala Asp Val Trp Phe Lys
1 5

<210> 94
<211> 8
<212> PRT
<213> Homo sapiens

<400> 94

Gly Asn Phe His Ala Val Tyr Arg
1 5

<210> 95
<211> 11
<212> PRT
<213> Homo sapiens

<400> 95

Leu Leu Glu Thr Glu Cys Pro Gln Tyr Ile Arg
1 5 10

<210> 96
<211> 7
<212> PRT
<213> Homo sapiens

<400> 96

4-33629 (5038-W001).ST25.txt

Met Leu Thr Glu Leu Glu Lys
1 5

<210> 97
<211> 8
<212> PRT
<213> Homo sapiens

<400> 97

Ala Ile Asp Gly Ile Asn Gln Arg
1 5

<210> 98
<211> 11
<212> PRT
<213> Homo sapiens

<400> 98

Cys Met Gly Thr Val Thr Leu Asn Gln Ala Arg
1 5 10

<210> 99
<211> 9
<212> PRT
<213> Homo sapiens

<400> 99

Phe Ala Leu Leu Gly Asp Phe Phe Arg
1 5

<210> 100
<211> 10
<212> PRT
<213> Homo sapiens

<400> 100

Phe Ala Leu Leu Gly Asp Phe Phe Arg Lys
1 5 10

<210> 101
<211> 9
<212> PRT
<213> Homo sapiens

<400> 101

Gly Ser Phe Asp Ile Ser Cys Asp Lys
1 5

<210> 102
<211> 12
<212> PRT
<213> Homo sapiens

<400> 102

Gly Ser Phe Asp Ile Ser Cys Asp Lys Asp Asn Lys

4-33629 (5038-W001).ST25.txt
10

1

5

<210> 103
<211> 6
<212> PRT
<213> Homo sapiens

<400> 103

Ile Lys Asp Phe Leu Arg
1 5

<210> 104
<211> 11
<212> PRT
<213> Homo sapiens

<400> 104

Gln Val Leu Ser Tyr Lys Glu Ala Val Leu Arg
1 5 10

<210> 105
<211> 12
<212> PRT
<213> Homo sapiens

<400> 105

Thr Thr Gln Gln Ser Pro Glu Asp Cys Asp Phe Lys
1 5 10

<210> 106
<211> 13
<212> PRT
<213> Homo sapiens

<400> 106

Thr Thr Gln Gln Ser Pro Glu Asp Cys Asp Phe Lys Lys
1 5 10

<210> 107
<211> 6
<212> PRT
<213> Homo sapiens

<400> 107

Cys Asp Tyr Trp Ile Arg
1 5

<210> 108
<211> 7
<212> PRT
<213> Homo sapiens

<400> 108

Glu Leu Thr Ser Glu Leu Lys
1 5

4-33629 (5038-W001).ST25.txt

<210> 109
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 109

Met Tyr Ala Thr Ile Tyr Glu Leu Lys
 1 5

<210> 110
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 110

Ser Leu Gly Leu Pro Glu Asn His Ile Val Phe Pro Val Pro Ile Asp
 1 5 10 15

Gln Cys Ile Asp Gly
 20

<210> 111
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 111

Ser Tyr Pro Gly Leu Thr Ser Tyr Leu Val Arg
 1 5 10

<210> 112
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 112

Thr Phe Val Pro Gly Cys Gln Pro Gly Glu Phe Thr Leu Gly Asn Ile
 1 5 10 15

Lys

<210> 113
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 113

Val Pro Leu Gln Gln Asn Phe Gln Asp Asn Gln Phe Gln Gly Lys
 1 5 10 15

<210> 114
 <211> 15
 <212> PRT
 <213> Homo sapiens

4-33629 (5038-W001).ST25.txt

<400> 114

Val Val Ser Thr Asn Tyr Asn Gln His Ala Met Val Phe Phe Lys
1 5 10 15

<210> 115

<211> 13

<212> PRT

<213> Homo sapiens

<400> 115

Trp Tyr Val Val Gly Leu Ala Gly Asn Ala Ile Leu Arg
1 5 10

<210> 116

<211> 11

<212> PRT

<213> Homo sapiens

<400> 116

Ala Trp Met Glu Thr Glu Asp Thr Leu Gly Arg
1 5 10

<210> 117

<211> 14

<212> PRT

<213> Homo sapiens

<400> 117

Asp Asp Gln Leu Val Val Leu Phe Pro Val Gln Lys Pro Lys
1 5 10

<210> 118

<211> 8

<212> PRT

<213> Homo sapiens

<400> 118

Gly Pro Ile Leu Pro Gly Thr Lys
1 5

<210> 119

<211> 10

<212> PRT

<213> Homo sapiens

<400> 119

His Trp Pro Ser Glu Gln Asp Pro Glu Lys
1 5 10

<210> 120

<211> 15

<212> PRT

<213> Homo sapiens

<400> 120

4-33629 (5038-wo01).ST25.txt

His Trp Pro Ser Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg
 1 5 10 15

<210> 121
 <211> 9
 <212> PRT
 <213> Homo sapiens
 <400> 121

Leu Leu Thr Thr Glu Glu Lys Pro Arg
 1 5

<210> 122
 <211> 13
 <212> PRT
 <213> Homo sapiens
 <400> 122

Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Gln Gly Arg
 1 5 10

<210> 123
 <211> 24
 <212> PRT
 <213> Homo sapiens
 <400> 123

Leu Trp Val Met Pro Asn His Gln Val Leu Leu Gly Pro Glu Glu Asp
 1 5 10 15

Gln Asp His Ile Tyr His Pro Gln
 20

<210> 124
 <211> 26
 <212> PRT
 <213> Homo sapiens
 <400> 124

Val Leu Ser Pro Glu Pro Asp His Asp Ser Leu Tyr His Pro Pro Pro
 1 5 10 15

Glu Glu Asp Gln Gly Glu Glu Arg Pro Arg
 20 25

<210> 125
 <211> 21
 <212> PRT
 <213> Homo sapiens
 <400> 125

Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro
 1 5 10 15

4-33629 (5038-W001).ST25.txt

Val Gln Lys Pro Lys
20

<210> 126
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 126

Glu Val Met Pro Ser Ile Gln Ser Leu Asp Ala Leu Val Lys
1 5 10

<210> 127
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 127

Gly Leu Met Tyr Ser Val Asn Pro Asn Lys
1 5 10

<210> 128
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 128

Asn Ala Asn Thr Phe Ile Ser Pro Gln Gln Arg
1 5 10

<210> 129
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 129

Tyr Glu Ser His Glu Ser Met Glu Ser Tyr Glu Leu Asn Pro Phe Ile
1 5 10 15

Asn Arg Arg

<210> 130
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 130

Ala Pro Gln Thr Gly Ile Val Asp Glu Cys Cys Phe Arg
1 5 10

<210> 131
 <211> 15
 <212> PRT
 <213> Homo sapiens

4-33629 (5038-W001).ST25.txt

<400> 131

Gly Phe Tyr Phe Asn Lys Pro Thr Gly Tyr Gly Ser Ser Ser Arg
 1 5 10 15

<210> 132

<211> 21

<212> PRT

<213> Homo sapiens

<400> 132

Gly Pro Glu Thr Leu Cys Gly Ala Glu Leu Val Asp Ala Leu Gln Phe
 1 5 10 15

Val Cys Gly Asp Arg
 20

<210> 133

<211> 12

<212> PRT

<213> Homo sapiens

<400> 133

Leu Glu Met Tyr Cys Ala Pro Leu Lys Pro Ala Lys
 1 5 10

<210> 134

<211> 14

<212> PRT

<213> Homo sapiens

<400> 134

Arg Ala Pro Gln Thr Gly Ile Val Asp Glu Cys Cys Phe Arg
 1 5 10

<210> 135

<211> 13

<212> PRT

<213> Homo sapiens

<400> 135

Arg Leu Glu Met Tyr Cys Ala Pro Leu Lys Pro Ala Lys
 1 5 10

<210> 136

<211> 22

<212> PRT

<213> Homo sapiens

<400> 136

Ala Gln Glu Pro Val Lys Gly Pro Val Ser Thr Lys Pro Gly Ser Cys
 1 5 10 15

Pro Ile Ile Leu Ile Arg
 20

4-33629 (5038-W001).ST25.txt

<210> 137
<211> 9
<212> PRT
<213> Homo sapiens

<400> 137

Cys Ala Met Leu Asn Pro Pro Asn Arg
1 5

<210> 138
<211> 11
<212> PRT
<213> Homo sapiens

<400> 138

Cys Leu Lys Asp Thr Asp Cys Pro Gly Ile Lys
1 5 10

<210> 139
<211> 16
<212> PRT
<213> Homo sapiens

<400> 139

Gly Pro Val Ser Thr Lys Pro Gly Ser Cys Pro Ile Ile Leu Ile Arg
1 5 10 15

<210> 140
<211> 10
<212> PRT
<213> Homo sapiens

<400> 140

Val Pro Phe Asn Gly Gln Asp Pro Val Lys
1 5 10

<210> 141
<211> 16
<212> PRT
<213> Homo sapiens

<400> 141

Val Pro Phe Asn Gly Gln Asp Pro Val Lys Gly Gln Val Ser Val Lys
1 5 10 15